

DEVICE AND METHOD FOR SHORT CYCLE ARC WELDING

ABSTRACT OF THE DISCLOSURE

A device and a method for short-cycle arc welding of elements (26) to components are disclosed, with a positioning mechanism (14) that holds a welding head (28) and can be positioned relative to a component (12), wherein the welding head (28) has a chucking mechanism (32) for holding an element (26), a linear motion mechanism (58) for advancing and retracting the chucking mechanism (32) relative to the welding head (28), and a feed channel (30) for feeding elements (26) to be welded into the chucking mechanism (32). The chucking mechanism (32) has radially movable chucking elements (34) that can be moved by a chucking means between an open position which permits axial passage of an element (26) from the feed channel (30) through the chucking device, and a chucking position in which an element (26) is chucked between the chucking elements (34).